

a 9
canon

3	F18C5.2	VBP_BPMU	47	9.30E-06	1
4	Y39F10A.a	TNP0_ECOLI	39	1.10E-04	1
5	Y48C3A.s	TNP1_ECOLI	49	6.40E-06	1

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IN THE CLAIMS:

Please amend the claims as follows:

- Q10
4. (Amended) The method of claim 1, wherein the step of discovering is performed without using any knowledge about properties or features of sequences in the set of unaligned sequences.
 5. (Amended) The method of claim 1, further comprising the steps of:
if the candidate sequence comprises the predetermined number of patterns, adding the candidate sequence to the set of sequences to create a new set of sequences; and
performing the step of discovering on the new set of sequences.
 6. (Amended) The method of claim 1, wherein each sequence comprises a series of symbols and wherein each pattern comprises a plurality of positions, some of the plurality of positions each comprise at least one expected symbol and other of the plurality of positions comprise positions which may be occupied by any sequence character.

REMARKS

Claims 1-12, 23 and 25 are presently pending in the above-identified patent application. The specification, as well as claims 4, 5 and 6, have been amended. No new matter has been introduced by these amendments. Support for the amendment to claim 4 may be found, for example, on page 30, line 4, through page 31, line 24 of the specification. Claim 5 was amended to clarify punctuation present therein. Claim 6 was amended to clarify claim wording. A copy of the formal drawings are submitted herewith.

In the Office Action, the Examiner issued a restriction requirement between the claims of Group I, namely claims 1-12, 23 and 25, and those of Group II, namely claims 13-22, 24 and 26. The Examiner further required that any drawing corrections be submitted within the time period set for